

# SAFETY DATA SHEET

Product: 570  
Revision Date: 1/04/2016

## 1. MATERIAL IDENTIFICATION

**Product Name:** Aremco-Bond 570

**Product Description:** Viscous Liquid, Black, Aromatic Odor  
**Product Use:** Adhesive

**Manufacturer:** Aremco Products, Inc.  
707-B Executive Blvd.  
Valley Cottage, NY 10989

**Telephone:** 845-268-0039  
**Emergency Phone:** 845-268-0039 or Infotrac (24/7) 800-535-5053

## 2. HAZARDS IDENTIFICATION

### GHS Classification:

Flammability	Category 2
Aspiration Hazard	Category 1
Skin Irritation	Category 2
Skin Sensitization	Category 1
Eye Damage/Irritation	Category 2A
Respiratory Sensitization	Category 1
Carcinogenicity	Category 1A
Drowsiness or Dizziness	Category 3

### GHS Symbols:



### GHS Signal Word:

Danger

### GHS Hazard Determining Components:

Methyl Ethyl Ketone  
2-Propanol  
Carbon Black  
Phenol  
O-Cresol  
Formaldehyde

### GHS Hazard Statements for Health Hazards:

H225	Highly flammable liquid and vapor
H304	May be harmful if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H336	May cause drowsiness or dizziness
H350	May cause cancer

### GHS Precautionary Statements - Prevention:

P201	Obtain special instructions before use
P202	Do not use until all safety precautions have been read and understood
P210	Keep away from flames and hot surfaces – no smoking
P233	Keep container tightly closed
P240	Ground container and receiving equipment
P241	Use explosion-proof electrical/ventilating/lighting equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash exposed skin thoroughly after handling
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/eye protection/face protection
P285	In case of inadequate ventilation wear respiratory protection

**GHS Precautionary Statements - Response:**

P370 + P378	In case of fire, use CO <sub>2</sub> , powder or water spray for extinction.
P303 + P361 + P353	IF ON SKIN: Remove contaminated clothing and rinse skin with plenty of soap and water
P332 + P333 + P313	If skin irritation or rash occurs, get medical advice/attention
P362 + P363	Take off contaminated clothing and wash before reuse
P301 + P310	IF SWALLOWED: Immediately call a poison center or physician.
P331	Do not induce vomiting
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P304 + P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311	If experiencing respiratory symptoms, call a poison center or physician
P308 + P313	If exposed or concerned, get medical advice/attention

**GHS Precautionary Statements – Storage & Disposal:**

P403	Store in a well-ventilated place and keep cool
P405	Store locked up
P501	Dispose of contents/container in accordance with local/regional/national/international regulations

**3. COMPOSITION**

Ingredient	CAS No.	EC No.	Concentration	GHS Product Identifier
Methyl Ethyl Ketone	78-93-3	201-159-0	30.0-60.0%	H225 Highly Flammable Liquid, Cat 2 H319 Eye Irritation, Cat 2 H336 STOT, SE; Drowsiness / Dizziness, Cat 3
2-Propanol	67-63-0	200-661-7	10.0-30.0%	H225 Flammable Liquids, Cat 2 H319 Serious Eye Damage/Eye Irritation, Cat 2A H336 STOT, SE; Drowsiness / Dizziness, Cat 3
Carbon Black	1333-86-4	215-609-9	1.0-5.0%	H252 Self-Heating, Cat 2
Phenol	108-95-2	203-632-7	1.0-5.0%	H226 Flammable Liquid, Cat 3 H315 Skin Corrosion/Irritation, Cat 2 H319 Eye Irritation, Cat 2 H350 May Cause Cancer, Cat 1
o-Cresol	95-48-7	202-423-8	0.1-1.0%	H304 Aspiration Hazard, Cat 1 H317 Skin Sensitization, Cat 1 H334 Respiratory Sensitization, Cat 1 H350 Carcinogenicity, Cat 1
Formaldehyde	50-00-0	200-001-8	0.1-1.0%	H304 Aspiration Hazard, Cat 1 H317 Skin Sensitization, Cat 1 H334 Respiratory Sensitization, Cat 1 H350 Carcinogenicity, Cat 1A

**4. FIRST AID MEASURES**

<b>After eye contact:</b>	Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist.
<b>After skin contact:</b>	Immediately wipe excess material off skin with a dry cloth then wash with soap and water for at least 5 minutes.
<b>After inhalation:</b>	In case of inhalation due to <u>spray mist</u> , remove source of exposure and assure that victim is breathing. If not breathing, administer cardio-pulmonary resuscitation (CPR). Place patient stably in side position for transportation in case person is unconscious.
<b>After ingestion:</b>	If swallowed, do not induce vomiting. If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.
<b>Medical Conditions Possibly Aggravated by Exposure:</b>	Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

**5. FIRE FIGHTING MEASURES**

<b>Extinguishing Media:</b>	Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
<b>Special Fire Fighting Procedures:</b>	Firefighters should wear NIOSH/MSHA approved positive pressure breathing apparatus with full face-piece and full chemical resistant protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Protection:** Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots. Use NIOSH approved respirator where mist occurs.

**Spill Cleanup:** Ensure adequate ventilation. Take up with absorbent material (e.g., sand). Dispose of absorbed material in accordance with federal, state and local regulations or permits. Flush area with water to complete cleanup.

## 7. HANDLING AND STORAGE

**Handling:** Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Keep container closed. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills.

**Storage:** Store in an area that is cool, dry, well ventilated, away from combustible material, and away from ignition sources. Keep containers closed. Store in clean plastic or stainless steel containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS No.	EC No.	TLV (mg/m <sup>3</sup> )	PEL (mg/m <sup>3</sup> )
Methyl Ethyl Ketone	78-93-3	201-159-0	590	590
2-Propanol	67-63-0	200-661-7	980	980
Carbon Black	1333-86-4	215-609-9	3.0	3.5
Phenol	108-95-2	203-632-7	19	19
o-Cresol	95-48-7	202-423-8	20	22
Formaldehyde	50-00-0	200-001-8	0.30 ppm	0.75 ppm

**Engineering Controls:** Use with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.

**Respiratory Protection:** If exposure limits are exceeded and local ventilation is unavailable, a supplied-air respirator or a self-contained NIOSH-approved dust and mist respirator is required.

**Skin Protection:** Wear body-covering protective clothing and gloves. A protective glove made of fluorinated rubber is recommended.

**Eye Protection:** Wear chemical goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical here represent typical properties of this product. Contact Technical Sales for exact specifications.

**Appearance:** Liquid

**Color:** Black

**Odor Threshold:** No available information

**Odor:** Solvent

**pH:** Not determined

**Specific Gravity, g/cc:** 0.90-0.95

**Water Solubility:** Insoluble

**Melting Point Range:** Not determined

**Boiling Point Range:** 79 - 81 °C (174.2 - 177.8 °F)

**Vapor Pressure:** Not determined

**Vapor Density (air=1):** Heavier than air

**Flash point:** -6.7 °C (19.94 °F)

**Flammable/Explosive Limits:**

**Lower:** 1.8% - The product is not explosive. Formation of explosive vapor/air mixtures is possible.

**Upper:** 11.5% - The product is not explosive. Formation of explosive vapor/air mixtures is possible.

**Auto-Ignition temperature:** Not applicable

**Evaporation rate:** Slower than diethyl ether

**Partition coefficient:** Not determined

**VOC Content:** 574 g/l

**Viscosity:** 4,000 – 6,000 cP

**Decomposition temperature:** Not determined

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	This material is stable under normal conditions of use and storage.
<b>Conditions to Avoid:</b>	Excessive heat, greater than 46 C (115 F), and sources of ignition.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Hazardous Decomposition Materials:</b>	Burning will produce smoke, carbon monoxide and carbon dioxide.
<b>Incompatible Materials:</b>	Strong acids and strong bases.

## 11. TOXICOLOGICAL INFORMATION

**Relevant Routes of Exposure:** Skin, Inhalation, Eyes

**Potential Health Effects/Symptoms:** **Inhalation:**  
Harmful by inhalation. May cause severe irritation. Exposure to high does may cause central nervous system depression. Such does may also cause adverse effects in the liver, kidneys, and lungs. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**Skin Contact:**  
This product is irritating to the skin. A component in this product may be absorbed through the skin in harmful amounts.

**Eye Contact:**  
May cause severe eye irritation. Chronic eye exposure to this product may cause irreversible eye damage.

**Ingestion:**  
May be harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspirated material can enter the lungs and result in pneumonitis.

Hazardous Components	LD50s & LC50s	Immediate & Delayed Health Effects
Methyl Ethyl Ketone	Oral LD50 (Rat) = 2,300 – 3,500 mg/kg Oral LD50 (Rat) = 4,500 – 6,800 mg/kg Dermal LD50 (Rabbit) => 8,000 mg/kg Inhalation LC50 (Rat, 4H) = 11,700 ppm	Irritant, Central Nervous System
2-Propanol	Oral LD50 (Rat) = 5,045 mg/kg Oral LD50 (Rabbit) = 6,410 mg/kg Oral LD50 (Rat) = 4.7 g/kg Oral LD50 (Rabbit) = 8.0 g/kg Oral LD50 (Rabbit) = 5.03 g/kg Dermal LD50 (Rabbit) = 12,800 mg/kg	Allergen, Blood, Brain, Central Nervous System, Irritant, Kidney, Liver, Spleen
Carbon Black	Oral LD50 (Rat) => 8,000 mg/kg	Respiratory, Some Evidence of Carcinogenicity
Phenol	Oral LD50 (Rat) = 317 mg/kg Oral LD50 (Rat) = 530 mg/kg Dermal LD50 (Rat) = 669 mg/kg Dermal LD50 (Rabbit) = 850 mg/kg	Blood, Cardiac, Corrosive, Developmental, Eyes, Irritant, Kidney, Liver, Mutagen, Nervous System, Skin, Vascular
o-Cresol	Oral LD50 (Rabbit) = 1,800 mg/kg Oral LD50 (Rat) = 121 mg/kg Oral LD50 (Rabbit) = 940 mg/kg Oral LD50 (Rat) = 1,350 mg/kg Dermal LD50 (Rabbit) = 890 mg/kg Dermal LD50 (Rat) = 620 mg/kg	Blood, Central Nervous System, Corrosive, Irritant, Kidney, Liver
Formaldehyde	Oral LD50 (Rat) = 2,020 mg/kg Oral LD50 (Rat) = 100 mg/kg Oral LD50 (Rat) = 800 mg/kg Inhalation LC50 (Rat, 4H) = 0.48 mg/l Inhalation LC50 (Rat, 0.5H) = 0.82 mg/l	Allergen, Behavioral, Central Nervous System, Irritant, Liver, Metabolic, Mutagen, Reproductive, Respiratory, Some Evidence of Carcinogenicity

Hazardous Ingredients	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Methyl Ethyl Ketone	No	No	No
2-Propanol	No	No	No
Carbon Black	No	Group 2B	No
Phenol	No	No	No
o-Cresol	No	No	No
Formaldehyde	Known Human Carcinogen	Group 1	Yes

## 12. ECOLOGICAL INFORMATION

**Aquatic Toxicity:** No further relevant information available.  
**Persistence & Degradability:** No further relevant information available.  
**Bioaccumulative Potential:** No further relevant information available.  
**Mobility in Soil:** No further relevant information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Method:** Dispose in accordance with federal, state and local regulations and permits.

## 14. TRANSPORTATION INFORMATION

### DOT/IATA

**Proper Shipping Name:** Adhesives Containing Flammable Liquid  
**Hazard Class:** 3  
**ID Number:** UN1133  
**Packing Group:** I (1L), II (5L)  
**Labels:** Flammable

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

<b>CERCLA Reportable Quantity:</b>	<b>CAS#</b>	<b>Chemical Name</b>	<b>Weight</b>
	78-93-3	Methyl Ethyl Ketone	5,000 Lbs
	95-48-7	o-Cresol	100 Lbs
	50-00-0	Formaldehyde	100 Lbs

**TSCA:** All ingredients of this material are listed on the TSCA inventory.

### **SARA Title III**

**Sections 302, 304, 313:** This product contains the following toxic chemicals to reporting requirements.



<b>CAS#</b>	<b>Chemical Name</b>	<b>% by Weight</b>
78-93-3	Methyl Ethyl Ketone	< 60.0
108-95-2	Phenol	< 5.0
50-00-0	Formaldehyde	< 1.0

### **Sections 311, 312:**

<b>Hazard Classes</b>	<b>Yes/No</b>
Fire Hazard	Yes
Reactivity Hazard	No
Pressure Hazard	No
Immediate Hazard	Yes
Delayed Hazard	Yes

<b>International Inventory</b>	<b>Status</b>
Canada (DSL)	Yes
Europe (EINECS/ELINCS)	Yes
Australia (AICS)	Yes
Japan (MITI)	Yes
South Korea (KECL)	Yes

## 16. OTHER INFORMATION

<b>NFPA Ratings (scale 0 – 4)</b>	Health, 2 Flammability, 3 Reactivity, 0 Personal Protection, H	
<b>HMIS Ratings (scale 0 – 4)</b>	Health, 2 Flammability, 3 Reactivity, 0 Personal Protection, H	

### Key Legend Information

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ARD</b>	International Agency for Research on Cancer
<b>CAS</b>	Chemical Abstract Service
<b>CERCLA</b>	Comprehensive Environmental Response, Compensation & Liability Act
<b>DSL</b>	Domestic Substance List
<b>EC</b>	European Commission
<b>HMIS</b>	Hazardous Materials Identification System
<b>IARC</b>	International Agency for Research on Cancer
<b>ND</b>	Not Determined
<b>NE</b>	Not Established
<b>NFPA</b>	National Fire Protection Association
<b>NIOSH</b>	National Institute for Occupational Safety & Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>RE</b>	Repeat Exposure
<b>RTECS</b>	Registry of Toxic Effects of Chemical Substances
<b>SARA</b>	Superfund Amendments & Reauthorization Act
<b>SARA Title III</b>	Emergency Planning & Community Right to Know Act
<b>SARA Section 302</b>	Extremely Hazardous Substances
<b>SARA Section 304</b>	Emergency Release
<b>SARA Section 311</b>	MSDS/List of Chemicals & Hazardous Inventory
<b>SARA Section 312</b>	Emergency & Hazardous Inventory
<b>SARA Section 313</b>	Toxic Chemicals & Release Reporting
<b>SE</b>	Single Exposure
<b>STEL</b>	Short Term Exposure Limit
<b>STOT</b>	Specific Target Organ Toxicity
<b>TLV</b>	Threshold Limit Value
<b>TWA</b>	Time Weighted Average

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